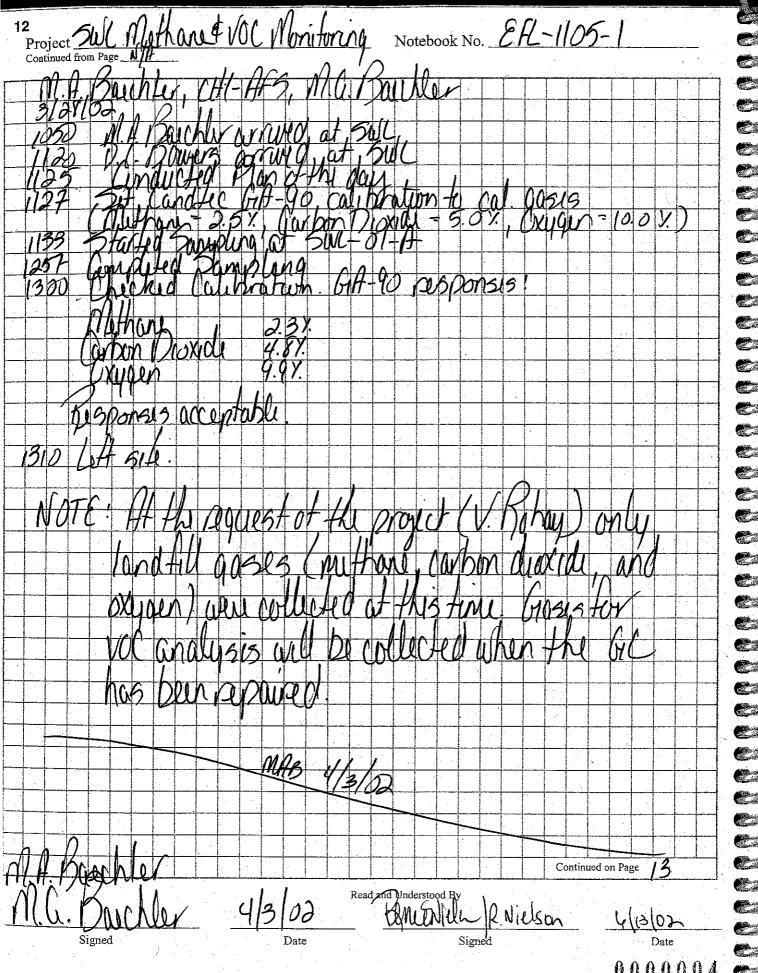


## PRELIMINARY RESULT DATA DELIVERABLE COVER SHEET Date: Monday, April 15, 2002 Sample Authorization Form Number: B99-032 **Test Results** Attachments (check all that apply or N/A): \_\_\_X\_ Chains of Custody \_ Logbook Pages N/A Anomaly Report Total number of pages (including cover sheet): \_7\_\_\_\_ Comments: Solid Waste Landfill Methane and VOC Monitoring - 3/28/02 & 4/9/02 Distribution: Sample Management - H9-03 Project (specify)

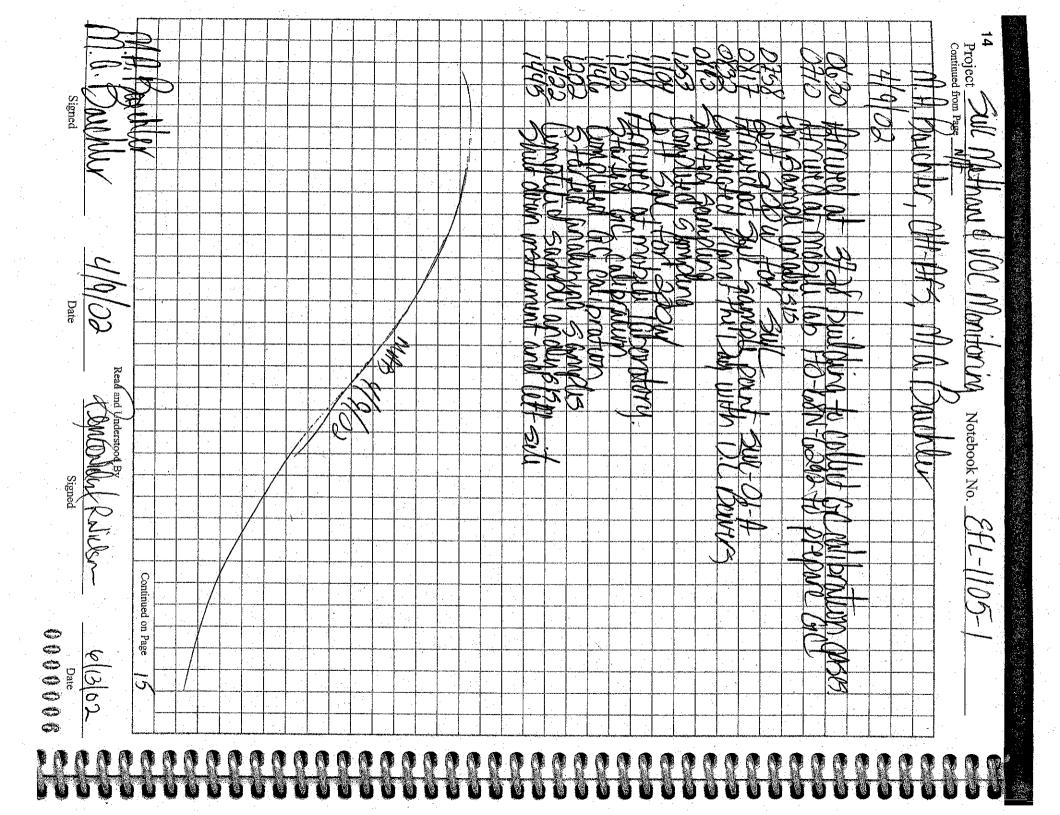
Requires distribution to listed project personnel by Sample Management (Check if

applicable)

 $6.0 \cdot$ M.A. Bachler, CHI-AFS, M.G. Backler 86-1332 Off B99-032 3/26/02 through at mobile sporature accased to a Softwar still increasing - MR 3/24/02 0000008



62. M.A. Backler, CHI-AFS, M. a. Backler EL-1332 Herwid at mobile lab 40-CRN-GPD located at 200-EP-2/2000 frombushout lac problems, perform calibration, and perform uprature wax put response too low.
That hump gas to low thow. 030 TUPE 3/5/2)



M.A. Baechler, CHI-AFS, M.G. Barchler PL-1332 SHF B99-032 4/5/02 Herund at mobile aboratory 49-684-6292 Location id. Software adjusting turing, voltage Started Calibration with 1 pm - 6 vol mix.

Started calibration with 1 pm - 6 vol mix.

Be set, refer turn times in compound calibration library

ha gatilizating 1 ppm - 6 vol mix. coursed TIFEN Turing & installed 10.6eN lump #13VDK268 11 A. Rachler / M. h. Duchler 4/5/02 0000012

M.A. Barchler, CH-AFS, M. G. Buller 81-1332
AF 199-032 4/9/02
OHO from a at mobily laboratory Ho-68N-6292 at 1900 2P-2/2DW
0715 Joseph Tel 1997 1799 De Carrett GOS regulator to
0718 Balanced defector out and backflush out flow rates at
0735 Sefector stated and software result target intensity. Desertor
0734 Dector restarted GK. Set the to entorum to warm up 1198mV. 0737 Jurney aptorum off as affector antomatically show down.
0240 Palestar at a led City Minutoring Liv tailling 1
0747 THEM DEC TO STATE OUT OF BOTH WAY BOTHWAY TURNED OFFICER OFF.  0728 STECTO OPPRIONED STADELY LETS TABLETON FOR WARMUP.
11/20 Horsed Countration with Jam- GVOCIMX.  11/30 Hodging VM & 1,1,27CH to Childratum.  11/9 Hodging Loom Colloc MX (N), Child. 1.1-DCH = 097com, TCM = 1.01cm
199 Analysic John Coloc Mix Cal. Chill. 1.1-DCH = 0.97 ppm, TCM = 1.01 pm, 11.1-TCH = 0.98 ppm, CCly = 0.97 ppm, TCE = 0.96 ppm, PCE=1.01 ppm
1/56 Halynus regioner. No detects.
1306 Analynia 1900 (1000 mix (cd. Chick. 1,1-DC+= 9.92 ppm, TM=0.99 ppm)
1422 Completed sample analysis throughed from GOC/LCS standard.
1430 Trumpurcy 11. FeV Jury & Metalled 12 Get lamp # BYDY268 Set carner
1445 Off GH.
- MAS 4/9/5
- M. A. Brockhold A. Rayhlir 4/9/02

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Lower Brokari
Draw 32

62. M.A. Backler, CHI-AFS, M. a. Backler EL-1332 Herwid at mobile lab 40-CPA-GPD located at 200-EP-2/2000 frombushout lac problems, perform calibration, and perform uprature liner put response too low. 1000. humond 11. Far lump. Insta the curve gas to low thou. 030 MAB 3/4/22

M.A. Bacher, CHI-AFS, M. G. Brukler EL-1332

M.A. Baechler, CHI-AFS, M.G. Barchler PL-1332 SHF B99-032 4/5/02 Herund of mobile aboratory 44-68N-6292 Located id. Software adjusting turing, voltage Started Calibration with 1 pm - 6 vol mix.

Started calibration with 1 pm - 6 vol mix.

Be set, refer turn times in compound calibration library

ha gatilizating 1 ppm - 6 vol mix. he kupped MDC standard of bag of pem-6 vac mix, balance coursed TIFEN Turing & installed 10.6eN lump #13VDK268 11 A. Buchler / M. h. 1 Duchler 4/5/02 0000013

M.A. Barchler, CH-AFS, M. G. Buller 81-1332
AF 199-032 4/9/02
OHO from a at mobily laboratory Ho-68N-6292 at 1900 2P-2/2DW
0715 Joseph Tel 1997 1799 De Carrett GOS regulator to
0718 Balanced defector out and backflush out flow rates at
0735 Sefector stated and software result target intensity. Desertor
0734 Dector restarted GK. Set the to entorum to warm up 1198mV. 0737 Jurney aptorum off as affector antomatically show down.
0240 Palestar at a led City Minutoring Liv tailling 1
0747 THEM DEC TO STATE OUT OF BOTH WAY BOTHWAY TURNED OFFICER OFF.  0728 STECTO OPPRIONED STADELY LETS TABLETON FOR WARMUP.
11/20 Horsed Countration with Jam- GVOCIMX.  11/30 Hodging VM & 1,1,27CH to Childratum.  11/9 Hodging Loom Colloc MX (N), Child. 1.1-DCH = 097com, TCM = 1.01cm
199 Analysic John Coloc Mix Cal. Chill. 1.1-DCH = 0.97 ppm, TCM = 1.01 pm, 11.1-TCH = 0.98 ppm, CCly = 0.97 ppm, TCE = 0.96 ppm, PCE=1.01 ppm
1/56 Halynus regioner. No detects.
1306 Analynia 1900 (1000 mix (cd. Chick. 1,1-DC+= 9.92 ppm, TM=0.99 ppm)
1422 Completed sample analysis throughed from GOC/LCS standard.
1430 Trumpurcy 11. FeV Jury & Metalled 12 Get lamp # BYDY268 Set carner
1445 Off GH.
- MAS 4/9/5
- M. A. Brockhold A. Rayhlir 4/9/02

Bechtel Hanford Inc. CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST							B:	99-032-14	Page <u>1</u> of <u>5</u>				
Collector M. Baechler/R. Nielson		Сотр	Company Contact Telephone No. Virginia Rohay 372-9351						Project Coordinator TRENT, SJ		-	Data Tur	• •
roject Designation Solid Waste Landfill Soil Gas	and Methane Monitoring		ling Location Area					SAF No. B99-032	·	Air Qualit	ty 🗌	Fi	eld
ce Chest No.			Logbook No. 1105-1		COA XE2012PI	нмс		Method of Sh Hand delive		vehicle		· · · · · · · · · · · · · · · · · · ·	
Shipped To Field Analysis Activities		Offsit	e Property No.					Bill of Ladin	g/Air Bill	No.			
POSSIBLE SAMPLE HAZAI	RDS/REMARKS		Preservation	None									
Special Handling and/or St	arage		Type of Container	Tedlar Bag									
Special transming and or Si			No. of Container(s)										
			Volume	I IL									
	* .		•	See item (1) in Special Instructions.									
	SAMPLE ANALY	'SIS											
Sample No.	Matrix *	Sample Date	Sample Time			10							
314779	GASEOUS	41,41,02	0840	X								OWL-	014
314780	GASEOUS	41,4102	0846	X		-		ji.				SWL-	OB
314781	GASEOUS	41,4100	0915	X	,							Sul-	102h
314782	GASEOUS (	4/9/02	0919	Y.								OWL-	021
314783	GASEOUS	419100	0926	X								SWL-	03F
CHAIN OF POSSESSION	N	Sign/Prin			SPE	CIAL INSTR	UCTIO	NS				· · · · · · · · · · · · · · · · · · ·	Matrix
telinquished By/Removed From	Date/Time  Date/Time	Received By/Sto		Date/Time	Dich	VOLATILE ORG loroethane, Carb iloroethene}	GANICS I	BY FIELD GC { aloride, Chlorofo	1,1,1-Trick rm, Methyl	iloroethane, 1,1,2 enechloride, Tetra	-Trichloroethane, achloroethene,	1,1-	S=Soil SE=Sedimen SO=Solid SI=Shidge W = Water
telinquished By/Removed From	Date/Time	Received By/Sto	red In	Date/Time									O-Oil A=Air DS=Drum So DL=Drum Li
telinquished By/Removed From	Date/Time	Received By/Sto		Date/Time									T=Tissue WI=Wipe L=Liquid V=Vegetation
telinquished By/Removed From	Date/Time	Received By/Sto	red In	Date/Time									X=Other
Relinquished By/Removed From	Date/Time	Received By/Sto	red In	Date/Time		·	· · · ·		·		, , , , , , , , , , , , , , , , , , ,		
LABORATORY Received By SECTION	<u> </u>		A 1 1	75  -	tle	Λ	<u>,                                    </u>	) 11			1.1	Date/Time	
<u> </u>													

Bechtel Hanfor	d Inc.	CI	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST									9-032-14	Page 2 of <u>5</u>		
Collector M. Baechler/R. Nielson		Compa	nny Contact inia Rohay	ne No. 351			Project Coordinator TRENT, SJ			Price Code		Data Turnaround			
Project Designation Solid Waste Landfill Soil Gas	and Methane Monitoring		ing Location Area						No. )32		Air Qualit	<b>y</b> 🗀 .	. Fi	eld	
Ice Chest No.			Logbook No. -1105-1		COA XE2012F	НМС		Meth Ha	od of Ship nd deliver	ment - Govt vo	chicle				
Shipped To Field Analysis Activities		Offsite	Property No.			·		Bill	of Lading/	Air Bill	No.				
POSSIBLE SAMPLE HAZAI	RDS/REMARKS		Preservation	None											
Special Handling and/or S	tomorn		Type of Container	Tedlar Bag											
Special randing and/or 5	iorage		No. of Container(s)	1											
			Volume	1L											
	SAMPLE ANALYS	BIS		See item (1) in Special Instructions,											
Sample No.	Matrix *	Sample, Date	Sample Time												
B14784	GASEOUS	49100	0931	Χ,									SWL	-03B	
B14785	GASEOUS	019100	0940								******		SWL	-044	
B14786	GASEOUS	419102	0946	X									SWL-	048	
B14787	GASEOUS	41,0105	(295)	Y		1							SUL-	04X	
B14788	GASEOUS	419100	0103	T Y					·				5W1-	DW2	
CHAIN OF POSSESSIO	N	Sign/Prin	t Names	<del></del>	SPE	CIAL INSTI	RUCTIO	ONS		·				Matrix *	
Relinquished By/Removed From	Date/Time	Received By/Stor	red In D	ate/Time	(1) Die	VOLATILE OF	RGANICS	S BY FII	ELD GC {1,	,1,1-Trichl n, Methyle	oroethane, 1,1,2- mechloride, Tetra	Trichloroethane, achloroethene,	. 1,1-	S=Soil SE=Sediment SO=Solid	
Relinquished By/Removed From	Date/Time	Received By/Stor	red In D	ate/Time		hloroethene}	. 12. 11. 1			:				Si=Sludge W = Water O=Oil	
Relinquished By/Removed From	Date/Time	Received By/Stor	red In D	ate/Time		in the second	: .					•		A=Air DS=Drum Solids DL=Drum Liquids	
Relinquished By/Removed From	Date/Time	Received By/Stor	red In D	ate/Time										T=Tissne Wi=Wipe L=Liquid V=Vegetation	
Relinquished By/Removed From	Date/Time	Received By/Stor	red In D	ate/Time			•		-					X=Other	
Relinquished By/Removed From	Date/Time	Received By/Stor	red In D	ate/Time				· · · · · · · · · · · · · · · · · · ·						<u> </u>	
LABORATORY Received By SECTION	1	1 1	1	Т	itle	۸ ,	1	$\overline{\bigcirc}$	1 4			. j	Date/Time		
FINAL SAMPLE Disposal Me	etliod \An	led to	(ah herid				osed B		M	1/	:	4/9/	Date/Time	125	

BHI-EE-011 (03/01/2002)

i	Bechtel Hanford In	ıc.	Cl	CHAIN OF CUSTODY/SAMPLE ANALYSIS R								B99-032-14		Page 3	of <u>5</u>
	Collector M. Baechler/R. Nielson	Comp							rt Coordina T, SJ	tor	Price Code		Data Tw		
	Project Designation Solid Waste Landfill Soil Gas and M	dethane Monitoring -		ling Location Area	·				SAF N B99-0			Air Quali	ty 🗌		eld
	Ice Chest No.			Logbook No. -1105-1		COA XE2012PI	<b>I</b> MC			od of Shipm nd deliver - C		ehicle			
	Shipped To Field Analysis Activities		Offsit	e Property No.			<b>1</b>		Bill o	f Lading/Ai	r Bill l	No.		· · · · · · · · · · · · · · · · · · ·	T
	POSSIBLE SAMPLE HAZARDS/	REMARKS		Preservation	None										:
1	Custol Handling and/ou Ctange			Type of Container	Tedlar Bag					Line	4.				
	Special Handling and/or Storag	y <del>c</del>		No. of Container(s)	1	:									
				Volume	1L										
		SAMPLE ANALYS	sis		See item (1) in Special Instructions.	i									
	Sample No.	Matrix *	Sample Date	Sample Time			10.0					3.14			
3	B14789 (	GASEOUS	UNION	0853	X									SWL-	DEL
	B14790 (	GASEOUS	47(410)	1004	$\lambda$									12WL-	1051
	B14791 (	GASEOUS	4/4/00	1009	X									SW-	1095
	B14792 (	GASEOUS	4/9/02	1017	17									Sul-	DOH
	B14793 (	GASEOUS	4/9/02	1000	X	-								Sw(-	Oles
	CHAIN OF POSSESSION		Sign/Prin	nt Names		SPE	CIAL INSTI	RUCTI	ONS	· · · · · · · · · · · · · · · · · · ·	-			,	Matrix *
	Relinquished By/Removed From Relinquished By/Removed From	Date/Time  Date/Time	Received By/Sto		Date/Time Date/Time	Dích	VOLATILE OF loroethane, Car iloroethene}	RGANIC rbon tetra	S BY FII achloride	ELD GC {1,1, Chloroform,	1-Trichl Methyle	loroethane, 1,1,2 mechloride, Tetr	?-Trichloroethane achloroethene,	e, 1,1-	S=Soil SB=Sediment SO=Solid SI=Sludge
	Relinquished By/Removed From	Date/Time	Received By/Sto		Date/Time			. 1			· .			•	W = Water O=Oil A=Air DS=Drum Sol DL=Drum Liq
	Relinquished By/Removed From	Date/Time	Received By/Sto		Date/Time						-		,		T=Tissue Wi=Wipe L=Liquid V=Vegetation
	Relinquished By/Removed From	Date/Time	Received By/Sto		Date/Time								•, •		X=Other
	Relinquished By/Removed From	Date/Time	Received By/Sto	ored in C	Date/Time			1.5					<u> </u>		
CU.P.	LABORATORY Received By SECTION	<u> </u>		•	T	itle	$\Lambda_{\star}$		)	1 4				Date/Time	
	FINAL SAMPLE Disposal Method	$\frac{1}{\sqrt{1 - \frac{1}{2}}}$					D/sp	osed/By	)/**	1/1/10			71/Ô	Date/Time	1176
	DISPOSITION	Vanl	2d to 1	ob Diva			11/11		/(1)		X		4/7/	1021	425

Bechtel Hanford Inc.	CHAIN OF CUST	CODY/S	AMPLE ANALYSIS	S REOUEST	B99-032-14	1 Page 4 of 5
Collector M. Baechler/R. Nielson	Company Contact Virginia Rohay	Telephor 372-9	ne No.	Project Coordinator TRENT, SJ	Price Code	Data Turnaround
roiect Designation Solid Waste Landfill Soil Gas and Methane Monitoring - Rou	Sampling Location 600 Area			SAF No. B99-032	Air Quality	Field
cc Chest No.	Field Logbook No. EFL-1105-1		COA XE2012PHMC	Method of Shipment Hand deliver - Govt	vehicle	
Shipped To Field Analysis Activities	Offsite Property No.			Bill of Lading/Air Bil	l No.	
POSSIBLE SAMPLE HAZARDS/REMARKS	Preservation	None				
O LITTORY AND A LIVE OF THE STATE OF THE STA	Type of Container	Tedlar Bag				
Special Handling and/or Storage	No. of Container(s)	1				
	Volume	11L				
SAMPLE ANALYSIS		See item (1) in Special Instructions.				
Sample No. Matrix * Sam	ple Date Sample Time					
314794 GASEOUS U/A	102 1030					5WL-107H
B14795 GASEOUS UV	100 1035	1-2				1911-107F
B14796 GASEOUS 410	1035	1 5				5W1-07B
314797 GASEOUS (1)	100 1046	15				SW-OKA
B14798 GASEOUS 977	102 1046	<del>                                     </del>				2W(-04F
	lign/Print Names	1 71	SPECIAL INSTRUCT	IONS		Matrix '
The second secon		Date/Time	(1) VOLATILE ORGANI	CS BY FIELD GC (1.) 1-Tric	chloroethane, 1,1,2-Trichloroeth ylenechloride, Tetrachloroethene	ane, 1,1-
telinquished By/Removed From Date/Time Receiv	red By/Stored In D	Date/Time	Trichloroethene}	naomoraio, Chorotoini, Meni	AMMARITORINO, LOUGHRINOSOCIIMIN	SQ=Solid SI=Studge W = Water O=Oil
Relinquished By/Removed From Date/Time Receiv	red By/Stored In D	Date/Time				A∞Air DS=Drum St DL=Drum L T=Tissue
telinquished By/Removed From Date/Time Receiv	ved By/Stored In D	Date/Time				WI=Wipe L=Liquid V=Vegetatio
telinquished By/Removed From Date/Time Receiv	ou by/blored in	Date/Time				X=Other
telinquished By/Removed From Date/Time Receiv	ed By/Stored In D	Date/Time				
LABORATORY Received By SECTION	1111	T A	itle MA	) //	•	Date/Time
succion / 1		<del>3</del>	Disposed B	Y	11/6	Date/Time

Bechtel Hanfor	d Inc.	C	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST B99-032-14								9-032-14	Page <u>5</u> of <u>5</u>		
Collector M. Baechler/R. Nielson		Com Vi	Company Contact Telephone No. Virginia Rohay 372-9351					Project Coordinator TRENT, SJ		Price Code		Data Turnaround		
Project Designation Solid Waste Landfill Soil Gas	and Methane Monitorin		oling Location O Area		·			SAF No. B99-032		Air Quality	Field			
Ice Chest No.			Logbook No. L-1105-1		COA XE2012	РНМС			f Shipment eliver - Govt	vehicle				
Shipped To Field Analysis Activities		Offsi	te Property No.					Bill of La	ding/Air Bil	ll No.		. ,		
POSSIBLE SAMPLE HAZA	RDS/REMARKS		Preservation	None	,									
Special Handling and/or S	torage		Type of Container	Tedlar Bag										
			No. of Container(s)	1 1L										
			Volume	See item (1) in		.	i .							
	SAMPLE ANAL	YSIS		Special Instructions.	1									
Sample No.	Matrix *	Sample Date	Sample Time								7			
B14799	GASEOUS	4/9/02	1053	X								SWL-	0813	
B147B0	GASEOUS	4/9/02	0715	<b>1</b>								Zer	A.V.	
B147B1	GASEOUS	U/(1/0)	0630	X								( )	50	
B147B2	GASEOUS	49102	0630	(X									Che	
B147B3	GASEOUS	4/1/1/20	0632	X								103		
CHAIN OF POSSESSIO	N		nt Names		SPI	ECIAL INST	RUCTIO	ONS		<del></del>	<del> </del>	1 1282	Matrix *	
Relinquished By/Removed From	Date/Time	Received By/St	ored In D	ate/Time	(l) Did	VOLATILE OF	RGANICS	S BY FIELD (	3C {1,1,1-Tric	hloroethane, 1,1,2-T lenechloride, Tetrac	richloroethane,	1,1-	S=Soil SE=Sodiment SO=Solid	
Relinquished By/Removed From	Date/Time	Received By/St	ored In D.	ate/Time		chloroethene}							St-Stadge W = Water O-Oil	
Relinquished By/Removed From	Date/Time	Received By/St	ored In D.	ate/Time		•			•				A=Air DS=Drum Solids DL=Drum Liquids	
Relinquished By/Removed From	Date/Time	Received By/St	ored In D	ate/Time								:	T=Tissite WI=Wipe L=Elquid	
Relinquished By/Removed From	Date/Time	Received By/St	ored In D	ate/Time									V=Vegetation X=Other	
Relinquished By/Removed From	Date/Time	Received By/St	ored In D	ate/Time						in in the state of				
LABORATORY Received By SECTION		Trace		Т	itlo	- Λ Λ	./)		A .	•	I	Pate/Time		
FINAL SAMPLE Disposal Me	thod \_(\lambda(\lambda)	led to l	ab hood				OSE BY	uch	ly		4/97	Ate/Time /4	25	